

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/02/2004
 15562300 00000001 ATTN: MSDS INFORMATION

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SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
 W.M. BARR & COMPANY, INC.

ADDRESS
 2105 Channel Ave.
 Memphis, TN 38113 USA

EMERGENCY TELEPHONE #1
 901-775-0100

EMERGENCY CONTACT
 W.M. Barr Technical Services

EMERGENCY INFORMATION
 "3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
 SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATION

INVENTORY ITEM #
 QKFS94301

PRODUCT NAME
 KS FLOOR STRIPPER 1 QT

REVISED BY
 W.M. Barr Technical Services

REVISION DATE
 2/23/2004

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY			
			NTP	ACGIH	OSHA	IARC
METHYLENE CHLORIDE	75- 80	75-09-2	Y	Y	N	Y
ETHYLENE GLYCOL MONOBUTYL ETHER	1- 5	111-76-2	N	N	N	N
METHANOL	10- 15	67-56-1	N	N	N	N
WATER	1- 5	7732-18-5	N	N	N	N
POLYMER MIXTURE	1- 5		N	N	N	N

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
METHYLENE CHLORIDE	ACGIH	PPM	50.00	N/E	N/E	N	N/E
	OSHA	PPM	25.00	125.00	1000.00	N	N/E

OSHA PEAK CONCENTRATION FOR 8HR SHIFT:2000 PPM FOR 5 MIN. IN ANY 2 HRS.
 EMPLOYERS ARE REQUIRED TO CONDUCT INITIAL MONITORING OF AIRBORNE
 METHYLENE CHLORIDE, (MC), CONCENTRATIONS AND TO CONDUCT PERIODIC (MC)
 EXPOSURE MONITORING FOR ALL TASKS WHERE EMPLOYEE EXPOSURES ARE ABOVE
 ACTION LEVEL (12.5 PPM,8-HR TWA) OR STEL. NTP-ANTICIPATED CARCINOGEN; IARC
 POSSIBLE CARCINOGEN (2B); ACGIH-SUSPECTED CARCINOGEN (A2); NIOSH-DEFINED
 CARCINOGEN. (MC) HAS CAUSED CANCER IN CERTAIN LABORATORY ANIMAL TESTS.
 RISK TO YOUR HEALTH DEPENDS ON LEVEL AND DURATION OF EXPOSURE.

ETHYLENE GLYCOL MONOBUTYL ETHER	ACGIH	PPM	25.00	N/E	N/E	Y	N/E
	OSHA	PPM	N/E	N/E	N/E	Y	50.00
METHANOL	ACGIH	PPM	200.00	250.00	N/E	Y	N/E
	OSHA	PPM	200.00	250.00	N/E	Y	200.00
WATER	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
POLYMER MIXTURE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

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SECTION 3. REGULATORY INFORMATION
(CONTINUED)

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

WARNING: Using this product will expose you to Methylene Chloride, which is known to cause cancer.

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
METHYLENE CHLORIDE	80	75-09-2
METHANOL	15	67-56-1

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

Harmful if inhaled. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; vomiting; nausea; numbness in fingers, arms and legs; hot flashes; depression of the central nervous system; spotted vision; dilation of pupils; narcosis; visual disturbances; giddiness and intoxication; sleepiness; kidney injury; injuries to mucous membranes; weakness; drowsiness; pulmonary edema; nasal discomfort and discharge; nose tumors; eye irritation; cough and dyspnea; cold, clammy extremities; diarrhea; fatigue; increase in carboxyhemoglobin levels, which can cause stress to the cardiovascular system; blood damage; arm, leg and chest pains; and liver injury. Severe overexposure may cause irregular or rapid heartbeat, convulsions, unconsciousness, and death. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

This product is a skin irritant. Product may be absorbed through the skin. Harmful if absorbed through skin. May cause itching; irritation; redness; defatting of skin; drying of skin; inflammation; discomfort or pain; swelling; dermatitis; and tissue damage. May cause symptoms listed under inhalation and ingestion. May increase the severity of symptoms listed under inhalation.

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SECTION 4. HAZARDS IDENTIFICATION
(CONTINUED)

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant. May cause irritation, burns, temporary corneal injury, redness, tearing, blurred vision, conjunctivitis of eyes, and corneal ulcerations of the eye. Vapors may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful if swallowed. May cause dizziness; headache; blindness; nausea; weakness; irritation to mouth, throat and stomach; loss of coordination; stupor; changes in white blood cells; drowsiness; rapid heartbeat; low blood pressure; vomiting; gastrointestinal irritation; depression of the central nervous system; narcosis; diarrhea; reddening of face and/or neck; liver, kidney and heart damage; unconsciousness; and death. May produce symptoms listed under inhalation. Liquid aspirated into lungs may cause chemical pneumonitis and systemic effects. Ingestion of significant quantities may result in red blood cell hemolysis.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged skin contact may cause irritation, redness, swelling and possible tissue destruction. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause headaches; conjunctivitis; skin irritation; pancreatic damage; permanent central nervous system changes; gastric disturbances; giddiness; insomnia; decreased response to visual and auditory stimulation; visual impairment or blindness; hallucinations; changes in blood; blood disorders; kidney damage; eye irritation; brain damage; hallucinations; liver damage, and death. May cause additional symptoms listed under inhalation.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the blood, skin, eyes, liver, kidneys, lungs, cardiovascular system and respiratory system; alcoholism and rhythm disorders of the heart.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT

Immediately wash with soap and water. Get medical attention.

EYE CONTACT

Immediately flush with water for at least 15 minutes. Get medical attention.

INGESTION

Call your poison control center, hospital emergency room, or physician immediately for instructions.

NOTE TO PHYSICIAN

THIS PRODUCT CONTAINS METHYLENE CHLORIDE AND METHANOL. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances, and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis.

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SECTION 5. FIRST AID MEASURES
(CONTINUED)

Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISINDEX. Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	1	1
REACTIVITY	0	0
OTHER	G	NA

FLASH METHOD
Seta

FLASH POINT
N/E F N/E C No flash to boil

LOWER EXPLOSION LIMIT
N/E

GENERAL COMMENTS
OSHA FLAMMABILITY: Not Applicable

EXTINGUISHING METHOD
Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS
Contact of liquid or vapor with flame or hot surfaces will produce toxic gases and a corrosive residue that will cause deterioration of metal.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. **SMALL SPILLS:** take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. **LARGE SPILLS:** dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal regulations.

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SECTION 8. HANDLING AND STORAGE

STORAGE

Store in a cool, dry place. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Once opened, remover should be used within six months or discarded to avoid can deterioration. Do not store near flames or at elevated temperatures.

HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION

Domestic Shipment: Paint Related Material, 8, UN3066, PGII (LTD.QTY. FOR QUARTS)
IMO/IATA: Corrosive Liquid, N.O.S., 8, UN1760, PGII (Contains Methylene Chloride, Ammonia Solution)

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

USE ONLY WITH ADEQUATE VENTILATION TO PREVENT BUILDUP OF VAPORS. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering - STOP - ventilation is inadequate. Leave area immediately. IF THE WORK AREA IS NOT WELL VENTILATED, DO NOT USE THIS PRODUCT. A dust mask does not provide protection against vapors.

RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %

98.000
by weight

BOILING POINT

GT 103.00 F 39.44 C BOILING RANGE: 103 F - 340 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than ether

BULK DENSITY

9.84
lbs/gal at 75 F

pH FACTOR

8.5

PHOTOCHEMICALLY REACTIVE

NO

MAX V.O.C.

287 grams per liter

MAX VAPOR PRESSURE

30mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents; strong caustics; strong alkalis; oxygen; nitrogen peroxide; chemically active metals such as aluminum and magnesium; sodium; potassium; and nitric acid.

DECOMPOSITION

Thermal decomposition may produce carbon monoxide; hydrogen chloride; chlorine gas; and small quantities of phosgene.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million
MG/M3 = milligrams per cubic meter
N/E or NE = none established

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SECTION 13. ADDITIONAL INFORMATION
(CONTINUED)

GT = greater than

N/A or NA = not applicable

TCC = tag closed cup

TOC = tag open cup

PMCC = Pensky-Martens closed cup

IDLH = Immediately Dangerous to Life and Health

END OF MSDS